

Substitute for form 1449B/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/533,843
Sheet	1	of	6	Filing Date	May 4, 2005
				First Named Inventor	Hagen, Frederick S.
				Art Unit	1646
				Examiner Name	Zachary C. Howard
				Attorney Docket Number	017881-001110US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (<i>If known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-5,604,102	02-18-1997	McConlogue et al.	
	AB	US-5,658,754	08-19-1997	Kawasaki	
	AC	US-6,153,380	11-28-2000	Nolan et al.	
	AD	US-6,175,057	01-16-2001	Mucke et al.	
	AE	US-6,267,962	07-31-2001	Hart et al.	
	AF	US-6,365,634	04-02-2002	Russell et al.	
	AG	US-6,420,110	07-16-2002	Gyuris et al.	
	AH	US-6,440,698	08-27-2002	Gurney et al.	
	AI	US-2002/0127564	09-12-2002	Nolan	
	AJ	US-2007/0099185	05-03-2007	Hagen et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴			
	AK	EP	0 320 308	A2	06-14-1989	Biotechnica International, Inc.
	AL	PCT	WO 98/21589	A1	05-22-1998	University of Pennsylvania
	AM	PCT	WO 98/39483	A1	09-11-1998	Ventana Genetics, Inc.
	AN	PCT	WO 99/24617	A1	05-20-1999	Ventana Genetics, Inc.
	AO	PCT	WO 01/49097	A2	07-12-2001	Bienkowski et al.
	AP	PCT	WO 03/57165	A2	07-17-2003	The Rockefeller University
	AQ	PCT	WO 04/18997	A2	03-04-2004	Neurogenetics, Inc.
	AR	PCT	WO 04/42074	A2	05-21-2004	Icogen Corp.

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	AS	BLACK <i>et al.</i> , "A metalloproteinase disintegrin that releases tumour-necrosis factor-alpha from cells," <i>Nature</i> 385:729-733 (1997).			<input type="checkbox"/>
	AT	BROWN, " Metal-recognition by repeating polypeptides," <i>Nat. Biotechnol.</i> 15:269-272 (1997).			<input type="checkbox"/>
	AU	BUTLER, "Solid supports in enzyme-linked immunosorbent assay and other solid-phase immunoassays," <i>Methods</i> 22:4-23 (2000).			<input type="checkbox"/>
	AV	CEDAZO-MINGUEZ <i>et al.</i> , "Nicergoline stimulates protein kinase C mediated α -secretase processing of the amyloid precursor protein in cultured human neuroblastoma SH-SY5Y cells," <i>Neurochem. Int.</i> 35:307-315 (1999).			<input type="checkbox"/>
	AW	CULL <i>et al.</i> , "Screening for receptor ligands using large libraries of peptides linked to the C terminus of the lac repressor," <i>Proc. Natl. Acad. Sci. USA</i> 89:1865-1869 (1992).			<input type="checkbox"/>
	AX	DE STROOPER <i>et al.</i> , "Exchanging the extracellular domain of amyloid precursor protein for horseradish peroxidase does not interfere with α -secretase cleavage of the β -amyloid region, but randomizes secretion in Madin-Darby canine kidney cells," <i>J. Biol. Chem.</i> 270:30310-30314 (1995).			<input type="checkbox"/>
	AY	FIELDS and SONG, "A novel genetic system to detect protein-protein interactions," <i>Nature</i> 340:245-246 (1989).			<input type="checkbox"/>
	AZ	GAMES <i>et al.</i> , "Alzheimer-type neuropathology in transgenic mice overexpressing V717F β -amyloid precursor protein," <i>Nature</i> 373:523-527 (1995).			<input type="checkbox"/>
	BA	GILCHRIST <i>et al.</i> , "Use of peptides-on-plasmids combinatorial library to identify high-affinity peptides that bind rhodopsin," <i>Methods Enzymol.</i> 315:388-404 (2000).			<input type="checkbox"/>
	BB	GOTZ <i>et al.</i> , "Formation of neurofibrillary tangles in P301L tau transgenic mice induced by A β 42 fibrils," <i>Science</i> 293:1491-1495 (2001).			<input type="checkbox"/>

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	BC	HARTLEY <i>et al.</i> , "Protofibrillar intermediates of amyloid β -protein induce acute electrophysiological changes and progressive neurotoxicity in cortical neurons," <i>J. Neurosci.</i> 19:8876-8884 (1999).			<input type="checkbox"/>
	BD	HSIAO <i>et al.</i> , "Correlative memory deficits, A β elevation, and amyloid plaques in transgenic mice," <i>Science</i> 274:99-102 (1996).			<input type="checkbox"/>
	BE	KANG <i>et al.</i> , "The precursor of Alzheimer's disease amyloid A4 protein resembles a cell-surface receptor," <i>Nature</i> 325:733-736 (1987).			<input type="checkbox"/>
	BF	KAWARABAYASHI <i>et al.</i> , "Age-dependent changes in brain, CSF, and plasma amyloid β protein in the Tg2576 transgenic mouse model of Alzheimer's disease," <i>J. Neurosci.</i> 21:372-381 (2001).			<input type="checkbox"/>
	BG	KINSELLA <i>et al.</i> "Retrovirally delivered random cyclic peptide libraries yield inhibitors of interleukin-4 signaling in human B cells," <i>J. Biol. Chem.</i> 277:37512-37518 (2002).			<input type="checkbox"/>
	BH	KJAERGAARD <i>et al.</i> , "Novel Zn $^{2+}$ -chelating peptides selected from a fimbria-displayed random peptide library," <i>Appl. Environ. Microbiol.</i> 67:5467-5473 (2001).			<input type="checkbox"/>
	BI	LABEAN and KAUFFMAN, "Design of synthetic gene libraries encoding random sequence proteins with desired ensemble characteristics," <i>Protein Sci.</i> 2:1249-1254 (1993).			<input type="checkbox"/>
	BJ	LAMMICH <i>et al.</i> , "Constitutive and regulated α -secretase cleavage of Alzheimer's amyloid precursor protein by a disintegrin metalloprotease," <i>Proc. Natl. Acad. Sci. USA</i> 96:3922-3927 (1999).			<input type="checkbox"/>
	BK	LOPEZ-PEREZ <i>et al.</i> , "Proprotein convertase activity contributes to the processing of the Alzheimer's β -amyloid precursor protein in human cells: evidence for a role of the prohormone convertase PC7 in the constitutive α -secretase pathway," <i>J. Neurochem.</i> 73:2056-2062 (1999).			<input type="checkbox"/>
	BL	LU <i>et al.</i> , "Expression of thioredoxin random peptide libraries on the <i>Escherichia coli</i> cell surface as functional fusions to flagellin: a system designed for exploring protein-protein interactions," <i>Biotechnology</i> 13:366-372 (1995).			<input type="checkbox"/>
	BM	MASSAGUE and PANDIELLA, "Membrane-anchored growth factors," <i>Ann. Rev. Biochem.</i> 62:515-541 (1993).			<input type="checkbox"/>

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	BN	MAZUR-KOLECKA <i>et al.</i> , "Accumulation of Alzheimer amyloid-peptide in cultured myocytes is enhanced by serum and reduced by cerebrospinal fluid," <i>J. Neuropathol. Exp. Neurol.</i> 56(3):263-272, Abstract only, (1997).			<input type="checkbox"/>
	BO	MILLER <i>et al.</i> , "Use of retroviral vectors for gene transfer and expression," <i>Methods Enzymol.</i> 217:581-599 (1993).			<input type="checkbox"/>
	BP	MULLAN <i>et al.</i> , "A pathogenic mutation for probable Alzheimer's disease in the APP gene at the N-terminus of β-amyloid," <i>Nat. Genet.</i> 1:345-347 (1992).			<input type="checkbox"/>
	BQ	MULLBERG <i>et al.</i> , "The soluble human IL-6 receptor. Mutational characterization of the proteolytic cleavage site," <i>J. Immunol.</i> 152:4958-4968 (1994).			<input type="checkbox"/>
	BR	MULLBERG <i>et al.</i> , "A metalloprotease inhibitor blocks shedding of the IL-6 receptor and the p60 TNF receptor," <i>J. Immunol.</i> 155:5198-5205 (1995).			<input type="checkbox"/>
	BS	MURTHY, "Characterization of the interleukin 3 receptor," <i>Exp. Hematol.</i> 18(1):11-17 (1990).			<input type="checkbox"/>
	BT	NILSBERTH <i>et al.</i> , "The 'Arctic' APP mutation (E693G) causes Alzheimer's disease by enhanced Aβ protofibril formation," <i>Nat. Neurosci.</i> 4:887-893 (2001).			<input type="checkbox"/>
	BU	NILSSON <i>et al.</i> , "α-1-antichymotrypsin promotes β-sheet amyloid plaque deposition in a transgenic mouse model of Alzheimer's disease," <i>J. Neurosci.</i> 21:1444-1451 (2001).			<input type="checkbox"/>
	BV	NORMAN <i>et al.</i> , "Genetic selection of peptide inhibitors of biological pathways," <i>Science</i> 285:591-595 (1999).			<input type="checkbox"/>
	BW	PARVATHY <i>et al.</i> , "Alzheimer's amyloid precursor protein α-secretase is inhibited by hydroxamic acid-based zinc metalloprotease inhibitors: similarities to the angiotensin converting enzyme secretase," <i>Biochemistry</i> 37:1680-1685 (1998).			<input type="checkbox"/>
	BX	PONCET, "CD24, a glycosylphosphatidylinositol-anchored molecules is transiently expressed during the development of human central nervous system and is a marker of human neural cell lineage tumors," <i>Acta. Neuropathol.</i> 91(4):400-408, Abstract only, (1996).			<input type="checkbox"/>

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	BY	PORTEU and NATHAN, "Shedding of tumor necrosis factor receptors by activated human neutrophils," <i>J. Exp. Med.</i> 172:599-607 (1990).		<input type="checkbox"/>
	BZ	RAMCHANDRAN and SEN, "Cleavage processing of angiotensin-converting enzyme by a membrane-associated metalloprotease," <i>Biochemistry</i> 34:12645-12652 (1995)		<input type="checkbox"/>
	CA	RIAN <i>et al.</i> , "A signal sequence trap based on cell enrichment using anti-CD19 antibody coated magnetic beads," <i>Scand. J. Immunol.</i> 54:280-284 (2001).		<input type="checkbox"/>
	CB	SCOTT and SMITH, "Searching for peptide ligands with an epitope library," <i>Science</i> 249:386-390 (1990).		<input type="checkbox"/>
	CC	SELKOE, "The cell biology of β-amyloid precursor protein and presenilin in Alzheimer's disease," <i>Trends Cell Biol.</i> 8:447-453 (1998).		<input type="checkbox"/>
	CD	SELKOE, "Alzheimer's disease: genes, proteins, and therapy," <i>Physiol. Rev.</i> 81:741-766 (2001).		<input type="checkbox"/>
	CE	SELKOE, "Alzheimer's disease is a synaptic failure," <i>Science</i> 298:789-791 (2002).		<input type="checkbox"/>
	CF	SINHA, <i>et al.</i> , "Purification and cloning of amyloid precursor protein β-secretase from human brain," <i>Nature</i> 402:537-540 (1999).		<input type="checkbox"/>
	CG	SISODIA, "β-amyloid precursor protein cleavage by a membrane-bound protease," <i>Proc. Natl. Acad. Sci. USA</i> 89:6075-6079 (1992).		<input type="checkbox"/>
	CH	STEINER and HAASS, "Intramembrane proteolysis by presenilins," <i>Nat. Rev. Mol. Cell. Biol.</i> 1:217-224 (2000).		<input type="checkbox"/>
	CI	TANAKA <i>et al.</i> , "Downregulation of Fas ligand by shedding," <i>Nature Med.</i> 4:31-36 (1998).		<input type="checkbox"/>
	CJ	VIJAYENDRAN and LECKBAND, "A quantitative assessment of heterogeneity for surface-immobilized proteins," <i>Anal. Chem.</i> 73:471-480 (2001).		<input type="checkbox"/>

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	CK	WESTERMAN <i>et al.</i> , "The relationship between A β and memory in the Tg2576 mouse model of Alzheimer's disease," <i>J. Neurosci.</i> 22:1858-1867 (2002). <input type="checkbox"/>		
	CL	WILSON <i>et al.</i> , "The use of mRNA display to select high-affinity protein-binding peptides," <i>PNAS</i> 98:3750-3755 (2001). <input type="checkbox"/>		

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